

HARTING Customised Solutions

Applications and solutions

Growing and complex markets demand more specific components. With HARTING Customised Solutions we respond to this growing demand with individualised solutions that bring you forward. Based on this collected expertise we realise individual solutions, that also convince economically. Whether cable assembly or complex integrated systems: for each project we have one target - to offer a solution with real value.

Working together with you, we analyse your problem and develop the best possible solution. We identify and document the necessary project steps based on your requirements. Working together with you and our production specialists we plan the actual implementation. Based on decades of manufacturing expertise, we are able to implement solutions complying with the highest quality standards.



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HCS complexity levels

1	Set Packaging	Custom kitting service for multiple parts, including assembly instructions
2	Modified Solution	Modification of standard HARTING components
3	Cable Assembly	Wide range of standardised and customised cable assemblies
4	Cable Harness	Design and manufacture sets of cable assemblies for OEM applications
5	Designed Solution	Design, development and production of tailor-made component solutions
6	Total Solution	Development and manufacturing of sub-systems and box builds
7	Integrated Project	Design, production, installation and management of complex projects, based on HARTING technologies

HARTING Customised Solutions GmbH & Co.KG

Set packaging







- Set based on customer combinations
- Including non-standard components
- One part number to handle, also customer specific part number
- Specific mounting instructions







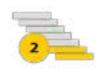




Potting



Modified connectors



- Solid solution for wire fixation
- Available for electric and electronic connectors
- Possible for small quantities

- Extensions on cable entries
- Large cable diameters possibleHan-Quintax® and Han-Modular®



















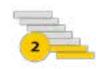






Modified hoods and housings

Modified hoods and housings

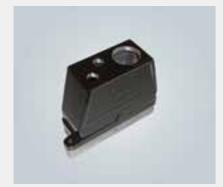


- Standard components, modified to customised solutions
- Additional holes for multiple cable entries
- Printed information
- Special colours
- Customised brackets for shielding and grounding





















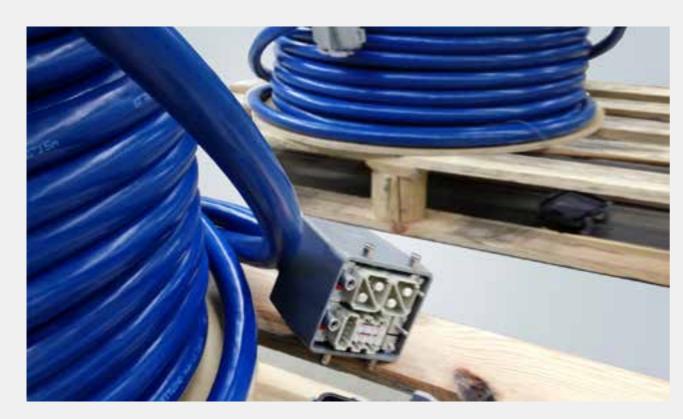
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Fibre optic assemblies

Fibre optic assemblies



- Fibre glass and POF handling
- Polishing multiple fibres simultaneously
- Integrated part of hybrid cables
- Various applications









- Expanded beam cable assemblies
- PushPull xs SFP cable assemblies
- PushPull cable assemblies
- Fibre optic and copper hybrid cable assemblies
- Fibre optic cable assemblies









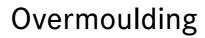






Overmoulding







- Solid solution for Han® cable assemblies
- Compact solution for double cable entry assemblies
- Fixed wire guidance
- Possible for small quantities















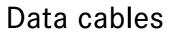






Data cables







- Overmoulded cable assemblies for data applications
- M12 and RJ45 connectors
- PushPull cables
- Modified cable entries

















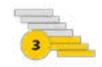




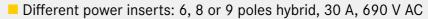
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Sensor actuator boxes

M23 servo motor and feedback cables



- M8 and M12 connections
- 4, 8, 10 ports
- Cable connections and M23/M16/M12 connectors
- Special versions on demand



- Different data inserts: 12,17 or 19 poles
- Different encoder connections: D-Sub, RJ45, M12 or M8













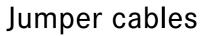






Jumper cables







- Cable sets based on customer requirements
- Complying with railway specifications
- Endurance testing possible
- Mechanical constructions and modified connectors
- Customised box for transportation

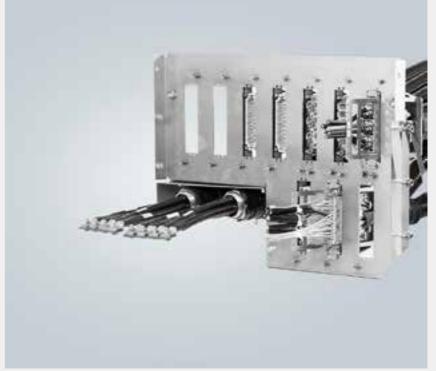
















Fibre optic accessories





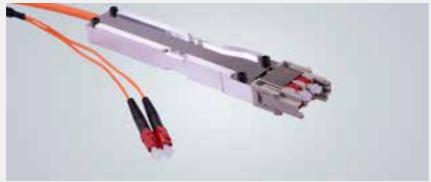


- Function boxes based on customer request
- Customised protective solutions
- Customised distribution solutions









- Customised box with integrated connector housings
- Fixed wires and connections
- Seals connectors internally
- Flexible for small series
- IP rated, based on requirements

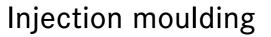






Injection moulding







- Based on customer requirements
- Injection moulding MOQ starting at 1.000 pcs., depending on the complexity
 Choice of technology depending on requested quantities
- Prototyping possible







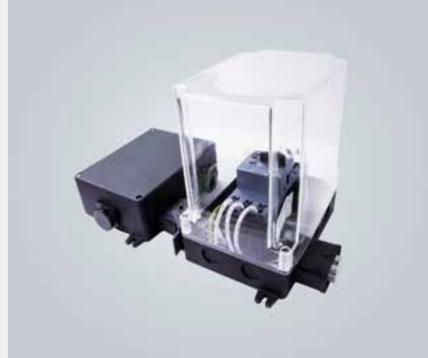
















Die-casting







- Based on customer requirements
 Die-casting parts MOQ 200 pcs
 Choice of technology depending on requested quantities
- Prototyping possible













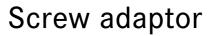






Power connection

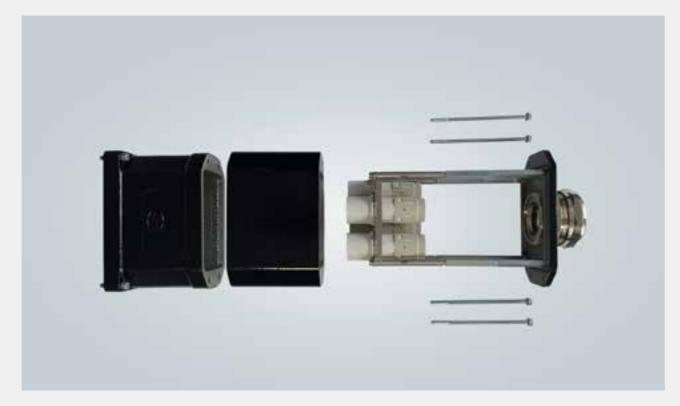


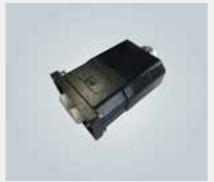




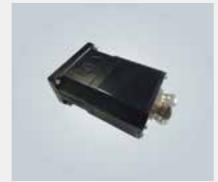
- Enlargement for standard hood
- Entry for power cable
- Offers space inside connector hood for connection of single wires

- Han-Compact® screw-in adapter M25
- Assembly of Han-Compact® in M25 cable gland
 Suitable for Han® Q 4/2, Han® Q 8/0 and Han® Q 17 inserts

















Slipring coupling







- For wind turbine application
- Integration of 2 modular connectors
- Customer specific hood and housing









- Power cables
- Power distribution boxes
- Range of daisy chaining boxes
- Shielded motor cables 7/8" cables for 24 volt M12 cables













Multiphase test connector







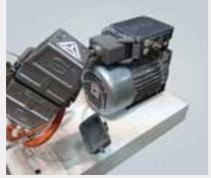
- For 10 B motor connector
- Star or delta connection
- Phase connection
- Rotating fields

Power and signal on PCBBoxes with integrated PCB's



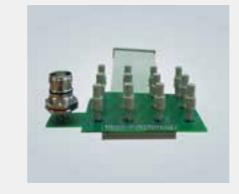






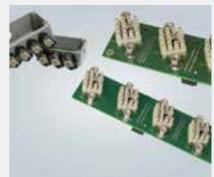












Security



Machine manufacturing



- Interconnection box for surveillance cameras
- Connections for power and network
- Mountable in various ways
- Fast connections based on PushPull connectivity

- Development and manufacture of sub-systems
- Fully functional and tested application boxes
- Junction boxes



























- Application for harsh environments
- Compact and robust LED lights
- Complete system including cables, distribution box and switch
- Suitable for rolling stocks























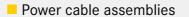


Fibre optic networking solutions

Wiring of hybrid busses



- Optical connection into a rotating propellor
- Bi-directional communication over single fibre



- Box building and testing
- Integration of components of various suppliers
- Installation on the busses























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